

**NATIONAL
VENTILATION**

Manufacturers & suppliers
of  monsoon products

Monsoon Energysaver MHRI00

Air handling unit with heat recovery



- Ceiling mounted single room heat recovery unit
- Paper cross flow plate recuperator up to 80% efficiency
- Complete with 3 speed controller
- G4 Filters and frost protection as standard

Call now to find out more: 01823 690 290

www.nationalventilation.co.uk Email: info@nvagroup.co.uk

The compact air supply and exhaust ventilation unit Energysaver MHR100 is a simple and effective energy-saving solution ventilation of apartments, cottages, single-family houses, workshops and trade premises. The unit is a fully-featured ventilation unit that provides air cleaning, fresh air supply to the premise and removal of extract air from the premise. Extract air thermal energy is transferred to the paper recuperator plates and is used to warm up the supply air flow. Built-in recuperator prevents heat losses and saves energy costs for warming up of supply air during winter time.

Due to the compact casing and silent operation the Energysaver MHR100 unit can be installed behind the false ceiling. The unit is designed for connection to Ø 125 mm round air ducts. A small air duct layout provides air ventilation in one or several rooms. Air capacity is regulated with P3-1-300 three speed switch.

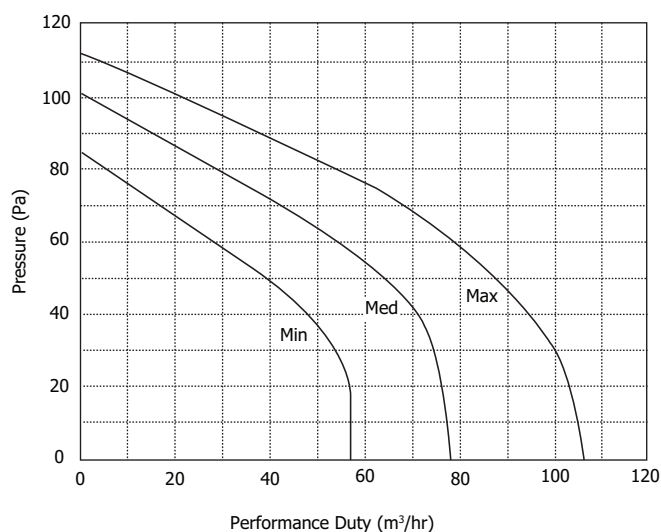
Operation

- Warm extract air is moved by exhaust fan from the premise through the extract filter, enters the recuperator where it transfers thermal energy to its elements and then is exhausted outside.
- Cold intake air from outside is moved by the supply fan first to the supply filter where it is purified, then to the recuperator where it absorbs a greater part of thermal energy from extract air and then supplied to the room.
- The recuperator reduces thermal energy losses and saves operating costs for warming up of intake air during winter time.

Models available

CODE	DESCRIPTION
MHR100	Loft Mounted Single Room Heat Recovery Unit, 106m ³ /h

Performance



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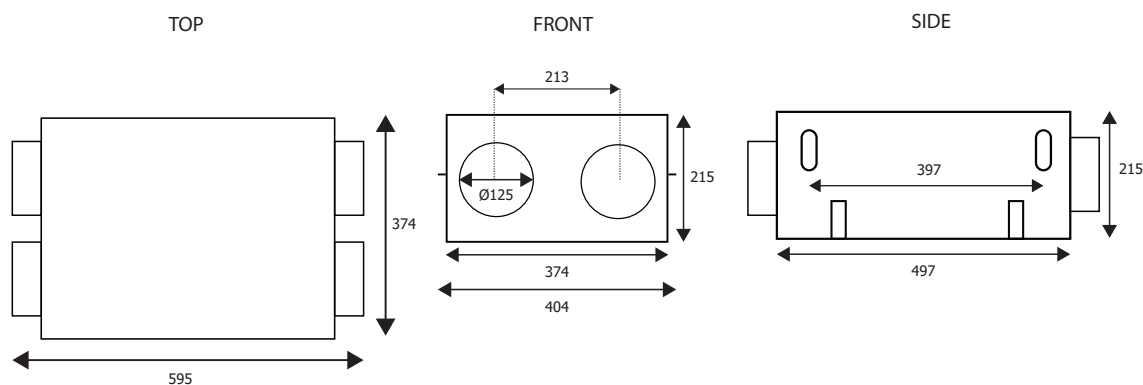
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Technical Data

SPEED	MIN	MED	MAX
Unit Supply Voltage (V/50 Hz)	-	1~230	-
Power (W)	30	38	56
Current (A)	0,18	0,23	0,34
Airflow (m ³ /h)	57	78	106
RPM	1300	1950	2500
Sound at 3m dB(a)	24	32	41

Max temperature °C	-25 up to +50
Casing material	aluzink
Insulating material	penophole
Insulating thickness (mm)	5
Filters	G4
Duct connection diameter (mm)	4pcs. x 125
Weight (kg)	6,5
Thermal energy recuperating efficiency (%)	68
Max moisture recuperating efficiency (%)	65
Heat exchanger type	cross flow
Heat exchanger material	paper

Dimensions (mm)



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